

WHAT IS CLAIMED IS:

1. A protecting cap structure for the needle of a syringe, wherein, said structure is provided with a protecting sleeve having a receiving space for receiving a needle, and is characterized by:

5       said protecting sleeve is comprised of a foldable cover and a cylindrical extendible member connected with each other;

      said cylindrical extendible member is a hollow cylinder, the shank of said cylindrical extendible member has a compression portion; a pair of foldable portions are provided in neighboring to said compression portion;

10      said foldable cover is in the shape of a semi-cylinder, one end of said foldable cover is connected with said cylindrical extendible member, in order that when said cover is folded to close, said cover cooperates with said cylindrical extendible member to envelop said needle.

2. A protecting cap structure for the needle of a syringe as claimed in claim 1,  
15     wherein,

      said foldable cover is integrally formed with said cylindrical extendible member.

3. A protecting cap structure for the needle of a syringe as claimed in claim 1,  
wherein,

20      said foldable portions are slightly bent outwardly in favor of folding thereof.

4. A protecting cap structure for the needle of a syringe as claimed in claim 1,  
wherein,

      said cylindrical extendible member has on the bottom wall portion thereof a protrusion, and a corresponding foldable extension section is provided also on said  
25     bottom wall portion of said cylindrical extendible member, said foldable extension section is provided with a through hole for engaging said needle.

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5. A protecting cap structure for the needle of a syringe as claimed in claim 1,  
wherein,

    said foldable cover is provided on the wall thereof with an engaging hole, so  
that when said cover is folded to close, said foldable cover is engaged with a hooking  
5    strip provided on said bottom wall portion of said cylindrical extendible member.

6. A protecting cap structure for the needle of a syringe as claimed in claim 1,  
wherein,

    said foldable cover is provided on the two sides thereof symmetrically each  
with an engaging notch, so that when in compression, said two foldable portions  
10    collapsed by compressing are fixed and positioned in said engaging notches.

7. A protecting cap structure for the needle of a syringe as claimed in claim 1,  
wherein,

    the top end of said cylindrical extendible member of said protecting sleeve is  
connected with a connecting member on which two ends are provided respectively  
15    with three hooks; wherein, said three hooks on one of said two ends are mutually  
engaged with an annular flange provided on the top of said cylindrical extendible  
member, while the other three of said hooks protruding from the other end of said  
connecting member are connected with an injection cap, so that during medicine  
injection, said needle is completely not exposed.